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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/511,162	10/14/2004	Helmut Winterling	53429	9022
26474	7590 08/31/2006		EXAMINER	
	RUCE DELUCA & QUI	ZEMEL, IRINA SOPJIA		
1300 EYE STREET NW SUITE 400 EAST TOWER WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
			1711	
			DATE MAILED: 08/31/2000	5

Please find below and/or attached an Office communication concerning this application or proceeding.

XX

Office Action Summary The MAILING DATE of this communication appears on the cover sheet with the correspondence address		Application No.	Applicant(s)			
Inina S. Zeme 1711	Office Action Summers	10/511,162	WINTERLING ET AL.			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extension of time may be available under the provisions of 37 CFR 1.18(b), no event, however, may reply be timely field If NO period for reply is a qualified above, the motionum statutory varied will seply and will exply and will be apple 51X (6) MONTHS from the mailing date of this communication. Failur to reply when the side of reading enrice for reply is application to seplect the seplection to become ABNOCNED (5) US. C; \$ 133. Any reply vectived by the Office litter than three morths after the mailing date of this communication, even if smally filled, may reduce any search provided by the Office litter than there morths after the mailing date of this communication, even if smally filled, may reduce any search provided by the Office litter than there morths after the mailing date of this communication, even if smally filled, may reduce any search provided by the Office little of this communication. 1) □ Responsive to communication(s) filed on 06 May 2006. 2a) □ This action is FINAL. 2b) □ This action is FINAL. 2b) □ This action is FINAL. 2c) □ This action is fill the provided by the Explored to the mailing date of this communication, even if smally filled, may reduce any search provided by the search of the mailing date of this communication, even if smally filled, may reduce any search provided by the search of the mailing date of this communication. 1) □ The date of the provided by the Explored to the communication of the mailing date of this communication. 2 □ Claim(s) 1.2e Sara provided the provided to the search provided to the communication of the provided to the provided to the communication. 2 □ Claim(s) 1.2e Sara provided the provided to the provided to the communication of the provided to the communication. 3 □ Cl	Office Action Summary	Examiner	Art Unit			
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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mohrschladt et al USP 6,316,588 or Mohrschladt et al (USP 6,288,207).

As discussed in the previous office action, Mohrschladt et al USP 6,316,588 discloses a continuous process for preparing a polyamide by reacting at least one aminonitrile with water in the presence of a catalyst which is a titanium dioxide catalyst that anticipates the claimed invention. See abstract; cols. 1- 15, the examples and claims 1-8.

As also discussed in the previous office action, Mohrschladt et al (USP 6,288,207) discloses a continuous process for producing a polyamide by reacting at least one aminonitrile with water comprising reacting the aminonitrile and water in the presence of a catalyst selected from titanium dioxide packing elements, etc. See abstract; cols. 1-13, the examples and claims 1-9.

The reference specifically exemplified the titanium catalyst with BET surface area of preferably greater than 40 m2/g, however both references expressly teach that catalysts with lower BET may be used, but in that case the volume of the catalyst bed should be increased to maintain the appropriate catalytic activity. See specifically '588.

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column 6, line 67 to column 7, line 4 and '207, column 5, lines 12-14. Therefore, use of catalysts with lower than 40 m2/g BET surface area are within the purview of the references (although it is not disclosed as the preferred embodiments), and use of catalyst with BET surface area of 35 m2/g as claimed in the instant invention, which is only slightly lower than the disclosed preferred embodiment of 40 m2/g, would have been obvious in processes where the catalytic activity is not critical or using higher bed volume as expressly taught by the reference. Also it maybe used as catalyst with lower BET surface area are generally less costly.

Therefore, in the absence of showing of unexpected results that re fully commensurate in scope with the claimed invention and can be clearly attributed to the titanium dioxide catalyst surface area, the invention as claimed would have been obvious from the disclosure of each of the cited references as discussed above.

Response to Arguments

Applicant's arguments with respect to claims 1-9 have been considered but are moot in view of the new ground(s) of rejection.

The outstanding rejection is issued under the provisions of 35 USC 103, rather than previous anticipation rejection. Thus, the applicants arguments regarding anticipations of each and every element is moot. However, the examiner will reply to the arguments insofar as the arguments still are relevant to the newly issued obviousness rejection.

The applicants argue that the references do not expressly disclose the claimed catalyst with the claimed BET syrface area of blow 35 m2/g. The examiner agrees that

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the references do not expressly discloses the specifically claimed surface area catalysts, however, as per discussion above, use of such catalyst is within purview of the reference and would have been obvious with reasonable expectation of adequate results as per expressed teachings of both references.

The applicants further argue that the object of the present invention is to provide a process in which the reduction of catalytic activity of titanium catalyst does not occur by using catalyst with lower BET surface area. While some general discussion to that effect is found in the specification, there is absolutely not a single evidence on the record that, in fact, the catalytic activity of the claimed catalyst is the same as the catalyst expressly disclosed in the reference. The applicants further state that the applicants found that the process according to the present invention produces polymer with lower titanium content. First, the result does not appear to be inexpected as the smaller particles tend to incorporate in polymer at greater rate. But even if, arguendo, such result is unexpected, the showing of unexpected results is not commensurate in scope with the claimed invention. The lower expressly disclosed BET surface area is 40 m2/g (even in examples it is 46) and not 50 as used in comparative examples of the instant application, and also it is compared to the catalyst having lower that the upper claimed limit BET surface area, i.e. 30, not 35 m2/g.

Thus, the showing of alleged unexpected results is not commensurate in scope with the claimed invention.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Irina S. Zemel whose telephone number is (571)272-0577. The examiner can normally be reached on Monday-Friday 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571)272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Irina S. Zemel Primary Examiner

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ISZ